

B1 I-V-G-G-Y-T-C-G-A-N-T-V-P-Y-Q-V-S-L-N-S (SEQ ID NO.: 2). All three isoforms of cod trypsin have a similar molecular mass of about 24 kDa.

Page 5, delete the whole paragraph starting in line 2 and replace it with the following new paragraph.

B2 *Sub C2* The invention also relates to the medical, pharmaceutical and cosmetic uses of chymotrypsins derived from Atlantic cod or other animals. There are two major isoenzymes of chymotrypsin in Atlantic cod that have been purified and characterized. They have been designated Chymotrypsin A and B (Ásgeirsson and Bjarnason, Comp. Biochem. Physiol. 99B:327-335-94, 1991). The cod chymotrypsins have the dual amino terminal sequences of one of its active forms C-G-R/S-P-A-I-S/Q-P-V/Q-I/V-T-G-Y (A chain, SEQ ID NO.: 3) and I-V-N-G-E-E-A-V-P-H-S/T-W-S/P/Y-W-Q-V-S-LQ-D/Q (B chain, SEQ ID NO.: 4) whereas mammalian chymotrypsins such as bovine chymotrypsin A have the amino terminal sequences C-G-V-P-A-I-Q-P-V-L-S-G-L (A chain, SEQ ID No.: 5) and I-V-N-G-E-E-A-V-P-G-S-W-P-W-Q-V-S-L-Q-D (B chain, SEQ ID NO.: 6). Both isoforms of cod chymotrypsin have a similar molecular mass of about 26 kDa.

Page 5, delete the whole paragraph starting in line 24 and replace it with the following new paragraph.

B3 *Sub C3* The preferred method of application of the purified enzymes or mixture of purified enzymes is in a preparation of hydrogel and water containing 0 to 85% (vol/vol) of a polyvalent alcohol (polyol) such as glycerol. A suitable concentration of

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trypsin activity is 0.1 to 10,000 enzyme units of activity for CBZ-Gly-Pro-Arg-pNA (carbobenzoxy Gly-Pro-Arg-para nitroanalide) per 100 milliliters of the final hydrogel preparation and the appropriate concentration of chymotrypsin activity is 0.1 to 10,000 enzyme units of activity for Succinyl-Ala-Ala-Pro-Phe-pNA (SEQ ID NO.: 7) per 100 milliliters of the final hydrogel preparation.

Page 12, delete the whole paragraph starting in line 21 and replace it with the following new paragraph.

B4
The molecular mass of the cod trypsins is about 24 kDa, whereas their isoelectric points are 6.6, 6.2 and 5.5 for trypsin I, II and III respectively. The amino acid sequences of the three isozymes of cod trypsin can be expressed with the following sequence (SEQ ID NO.: 8) which contains point variability due to the multiple isoforms:

See the attached Appendix for the changes made to effect the above paragraph changes.